

PTO/SB/21 (08-03)

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Application Number.	2148US
Filing Date	December 17, 2001
First Named Inventor	Donna Stevens
Art Unit	1645
Examiner Name	Unknown
Attorney Docket Number	2148US

Total Number of Pages in This Submission

129

ENCLOSURES (Check all that apply)

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Remarks

1) PTO1449 with 14 references. 2) Return Receipt Postcard.

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Signature

Date

January 22, 2004

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This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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CASE 2148US

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF

Donna Stevens et al.

APPLICATION NO: 10/024,130

FILED: December 17, 2001

GROUP ART UNIT: 1645

FOR: "*Methods For Determining Squalene Synthase Activity*"

Commissioner for Patents
Alexandria, VA 22313

INFORMATION DISCLOSURE STATEMENT

Dear Sir,

In accordance with 37 CFR §1.56, Applicants submit the references cited on the attached Form PTO-1449. Copies of the references are enclosed herewith. It is not believed that additional fees are owed at this time. However, in the case that fees are due, the Commissioner is hereby authorized to charge any additional fees required, or to credit any overpayment, to Deposit Account No. 50-0885.

Respectfully submitted,

Laura L. Kiefer
Agent for Applicant

Patent Department
Paradigm Genetics, Inc.
108 Alexander Drive
Research Triangle Park, NC 27709
(919) 425 - 3000

Reg. No. 48,154

Date: 1-22-04

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ATTY. DOCKET NO.

2148US

APPLICATION NO.

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APPLICANT

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FILING DATE

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Group
1645

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE
	AA						
	AB						
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FOREIGN PATENT DOCUMENTS

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	AO						<input type="checkbox"/>	<input type="checkbox"/>
	AP						<input type="checkbox"/>	<input type="checkbox"/>
	AQ						<input type="checkbox"/>	<input type="checkbox"/>

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent pages, Etc.)

AR	Marie F. Corio-Costet et al. <i>Metabolism of Dietary Δ^8 - Sterols and 9β, 19-Cyclopropyl Sterols by <i>Locusta migratoria</i></i> , Archives of Insect Biochemistry and Physiology, 11:47-62(1989).
AS	Peide Gu et al., <i>Function-Structure Studies and Identification of Three Enzyme Domains Involved in the Catalytic Activity in Rat Hepatic Squalene Synthase</i> , The Journal of Biological Chemistry, vol. 273, No. 20, Issue of May 15, pp. 12515-12525 (1998).
AT	Rachida Kribii et al., <i>Cloning and Characterization of the Arabidopsis Thaliana SQS1 Gene Encoding Squalene Synthase - Involvement of the C-Terminal Region of the Enzyme in the Channeling of Squalene through the Sterol Pathway</i> . Eur. J. Biochem., Oct. 1;249, pp. 61-60 (1997)

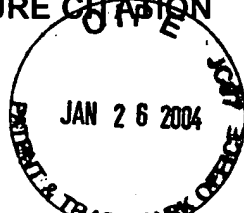
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10/024,130
APPLICANT
Donna Stevens et al.
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AA	Paul A. Kroon et al., <i>Squalene Synthase From Cell Suspension Cultures of Tabernaemontana Divaricta</i> , <i>Phytochemistry</i> . 45(6); pp. 1157-1163. (1997)
AB	Gabriela Kuswik-Rabiega et al., <i>Squalene Synthetase – Solubilization and Partial Purification of Squalene Synthetase, Copurification of Presqualene Prophosphate and Squalene Sythetase Activities</i> , <i>Journal of Biol. Chem.</i> Vol. 262, No. 4, Issue of Feb. 5, pp. 1505-1509. (1987)
AC	Philip V. LoGrasso et al., <i>Overexpression, Purification, and Kinetic Characterization of a Carboxyl-Terminal-Truncated Yeast Squalene Synthetase</i> , <i>Archives of Biochemistry and Biophysics</i> , Vol. 307, No. 1, November 15, pp.193-199. (1993)
AD	Kasim A. Mookhtiar et al., <i>Yeast Squalene Synthase – A Mechanism for Addition of Substrates and Activation by NADPH</i> , <i>The Journal of Biological Chemistry</i> , Volume 269, No. 15, Issue of April 15, pp. 11201-11207 (1994).
AE	Takayuki Nakashima et al., <i>Cloning, Expression, and Characterization of cDNAs Encoding Arabidopsis Thaliana Squalene Synthase</i> , <i>Proc. Natl. Acad. Sci. USA</i> , Vol. 92, pp2328-2332, (March 1995).
AF	Evette S. Radisky et al., <i>Squalene Synthase: Steady-State, Pre-Steady State, and Isotope-Trapping Studies</i> , <i>Biochemistry</i> Vol. 39, pp. 1748-1760. (2000)
AG	Daniel A. Soltis et al., <i>Expression, Purification, and Characterization of the Human Squalene Synthase: Use of Yeast and Baculoviral Systems</i> , <i>Archives of Biochemistry and Biophysics</i> , Vol. 316, No. 2, Feb. 1. pp. 713-723. (1995).
AH	R. M. Tait, <i>Development of Radiometric Spot-Wash Assay for Squalene Synthase</i> . <i>Analytical Biochemistry</i> , Vol. 203, pp. 310-316, (1992).
AI	Donglu Zhang et al., <i>Yeast Squalene Synthase: Expression, Purification, and Characterization of Soluable Recombinant Enzyme</i> , <i>Archives of Biochemistry and Biophysics</i> , Vol. 304, No. 1, July, pp. 133-143, (1993).
AJ	Pablo A. Scolnik et al., <i>A Table of Some Cloned Plant Genes Involved in Isoprenoid Biosynthesis</i> , <i>Plant Molecular Biology Reporter</i> , 14(4), pp 305-319, (1996).
AK	J.D. Bergstrom et al., <i>Zaragozic Acids: A Family of Fungal Metabolites that are Picomolar Competitive Inhibitors of Squalene Synthase</i> , <i>Proc. Natl. Acad. Sci. USA.</i> , Vol 90, pp 80-84, January (1993).
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